

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
18 September 2003 (18.09.2003)

PCT

(10) International Publication Number
WO 03/075989 A3

(51) International Patent Classification⁷: **A61M 16/00**,
H02P 7/63

(21) International Application Number: **PCT/IB03/01392**

(22) International Filing Date: **10 March 2003 (10.03.2003)**

(25) Filing Language: **English**

(26) Publication Language: **English**

(30) Priority Data:
60/362,441 **8 March 2002 (08.03.2002)** **US**

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(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

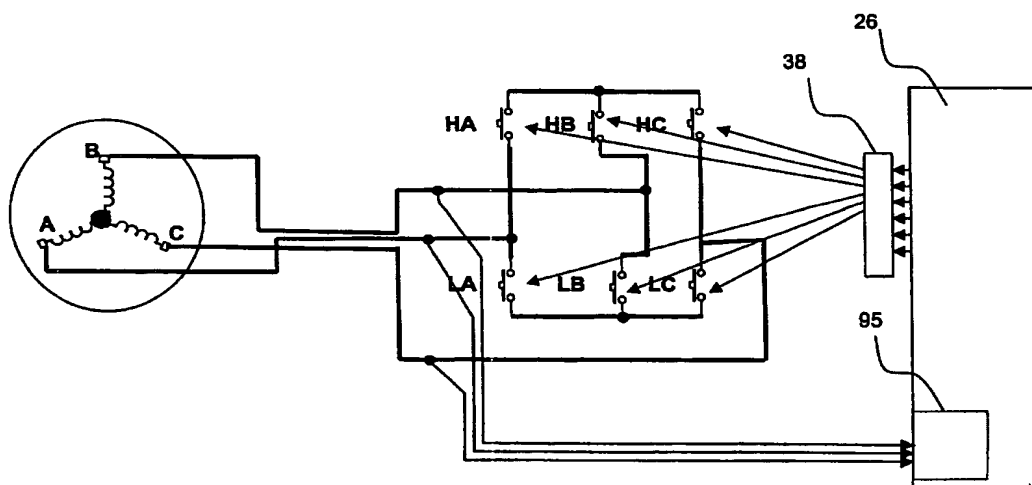
Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:
13 November 2003

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **AN AIR ASSISTANCE APPARATUS PROVIDING FAST RISE AND FALL OF PRESSURE WITHIN ONE PATIENT'S BREATH**



(57) Abstract: The invention concerns an apparatus delivering air to this patient trough a mask, comprising an air blower (33) wherein the impeller (5) is rotated by an electro motor comprising a rotor (3) and a stator (8), said stator having at least three sectors (8a, 8b and 8c), the rotation of the rotor being enabled by changes of the polarity of the sectors, each sectors polarity configuration constituting one step of the rotor's rotation, said apparatus comprising a driving unit (36) changing the sectors polarity when the rotor is at his optimal position, so that the efficiency of the electro motor enables the blower to have fast accelerations and I decelerations within one patient's breath step, said breath step consisting of one inspiration and one expiration.

INTERNATIONAL SEARCH REPORT

International Search Report No.
PCT/IB 03/01392

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61M16/00 H02P7/63

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61M H02P G05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 02 26305 A (MALLINCKRODT INC) 4 April 2002 (2002-04-04) page 9, line 18 - page 14, line 7 page 16, line 19 - line 27 page 30, line 6 - line 15 page 31, line 6 - line 24	1, 9, 11, 12, 15, 17, 20, 23
X	US 2002/000228 A1 (SCHOEB RETO) 3 January 2002 (2002-01-03) paragraph '0026! paragraph '0028! paragraph '0032! paragraph '0038! paragraph '0040! paragraph '0043!	1, 11, 12, 15, 17, 20, 23
Y	----- -/--	2

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☒ Patent family members are listed in annex

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Date of the actual completion of the international search

12 August 2003

Date of mailing of the international search report

05/09/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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International Search Report No
PCT/IB 03/01392

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